



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving - PWGSC / Réception des soumissions
- TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Vehicles & Industrial Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

| | |
|---|--|
| Title - Sujet COMPRESS. SYS FOR U66 AERODYN. LAB | |
| Solicitation No. - N° de l'invitation 31184-141845/B | Amendment No. - N° modif. 002 |
| Client Reference No. - N° de référence du client 31184-141845 | Date 2016-04-11 |
| GETS Reference No. - N° de référence de SEAG PW-\$\$HP-912-70707 | |
| File No. - N° de dossier hp912.31184-141845 | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-04-26 | Time Zone Fuseau horaire Eastern Daylight Saving Time EDT |
| F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: Pearson, Neil | Buyer Id - Id de l'acheteur hp912 |
| Telephone No. - N° de téléphone (873) 469-3312 () | FAX No. - N° de FAX (819) 953-2953 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: | |

Instructions: See Herein

Instructions: Voir aux présentes

| | |
|--|--|
| Delivery Required - Livraison exigée | Delivery Offered - Livraison proposée |
| Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur | |
| Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur | |
| Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie) | |
| Signature | Date |

This solicitation amendment 002 is raised to address bidders questions.

Question 1

Can you please provide a sample for “Curve #4” from Annex B Bullet 1.

Answer:

See attached pdf - "Graph #4 samples - ENGLISH"

Question 2

Section 3.12.4.16 States “Welds must have no cracks that are detectable by either visual, magnetic particle or die penetrant inspection methods” Please advise if 1 of 3 of the mentioned NDT practice is to be used or if the Baseplates are to be 100% VT, MT and PT?

Answer:

You may use any of the three methods to inspect the welds.

Question 3

Section 3.12.4.21 requires the Base plates to have vertical levelling screws Our compressor does not require leveling screws due to the single skid design. We could add them but they would add no value. Please advise if they need to be added.

Answer:

This requirement is to achieve a level skid – as the concrete surface below the bed is unlikely to be perfectly flat and level.

Question 4

Section 3.12.5.3 requires a 99.97% efficient filter, our standard filter is min 99.5% efficient according to API 672 is this acceptable?

Answer:

No. The filter efficiency requirement given in section 3.12.5.3 must be met.

Question 5

Section 3.12.5.3 will a non-cleanable type filter be considered?

Answer:

No. The filter must have cleanable elements

Question 6

Secton 3.17.2.3 The measurement of motor over speed is not required for induction motor which is fixed speed therefore there is no need for an alarm for this.

Answer:

If the supplier can unequivocally guarantee that there are no possible electrical or mechanical fault conditions which would cause a motor over speed this alarm can be eliminated.

Question 7

1. See Attached "Clarification Point for NRC Tri Sonic intercoolers". Per section 2.5. "Improvement of Requirement During Solicitation Period" we feel that the use of extended Surface finned intercoolers with 12mm tubes made from Cu/Ni is an improvement over the spec requirement. This results in:

- a. a more compact design of the cooler
- b. allows a smaller footprint which reduces the installation and construction costs
- c. results in a lighter bundle to provide easier maintenance, reduces maintenance clearances
- d. Our design also allows better maintainability allowing easier mechanical an chemical cleaning of the cooler.
- e. Using the Cu/Ni is a higher grade material and has a much higher corrosion/erosion resistance so using the the thinner .8 mm tube we guarantee the same reliability of the requirement.

Answer:

The tube size and wall thickness requirements given in section 3.12.5.11 must be met. These requirements come from both PIP RESC001 and API672.

Question 8

2. See Attached “Clarification Point for NRC Tri Sonic Phase reference”. We are proposing the Provision of key-phasor probe at bullgear instead of pinions for better speed resolution.

f. It can allow you to monitor more accurate dynamic analysis during the start-stop.

g. Start-stop of induction motor driven IG compressors do not typically allow pinion Bode diagrams anyway.

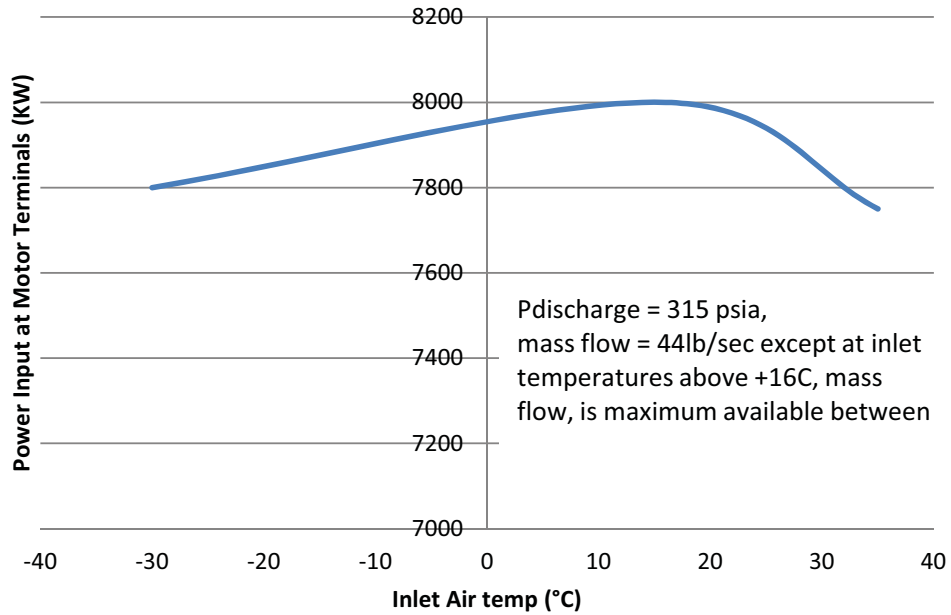
h. A single speed machines allow for easy ability to determine resonance and frequency for troubleshooting with existing radial vibration probes - vibration analysis tool (Adre system)

Answer:

The provision requirements given in section 3.12.2.6 must be met. These requirements come from both PIP RESC001 and API672.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME

Power input at Motor Terminals vs Inlet Air Temp for Normal Operation



Power input at motor terminals vs Inlet Air Temp for Peak Operation

